

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2004/000381

**A. CLASSIFICATION OF SUBJECT MATTER****IPC7 C12N 9/08, C12N 15/53, C12N 15/82, A01H 5/00**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC7 C12N 9/08, C12N 15/53, C12N 15/82, A01H 5/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Patents and applications for inventions since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

NCBI PubMed, Esp@cenet, CA "peroxidase, stress-inducible, promoter, swpa4, Ipomoea batatas, environmental stress"

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 2001/031018 A1 (KRIBB) 3 May 2001 (03.05.2001) See the whole document	1-9
Y	KIM K.-Y. et al., 'A novel oxidative stress-inducible peroxidase promoter from sweetpotato: molecular cloning and characterization in transgenic tobacco plants and cultured cells', In: Plant Mol. Biol., April 2003, Vol. 51(6), pp. 831-838. See the whole document	1-9
Y	PARK S.Y. et al., 'Differential expression of six novel peroxidase cDNAs from cell cultures of sweetpotato in response to stress', In: Mol. Gen. Genomics, July 2003, Vol. 269(4), pp. 542-552. See the whole document	1-9
A	CURTIS M.D. et al., 'A peroxidase gene promoter induced by phytopathogens and methyl asmonate in transgenic plants', In: Mol. Plant Microbe Interact., April 1997, Vol. 10(3), pp. 326-338. See the abstract	1-9
A	KIM K.-Y. et al., 'Differential expression of four sweet potato peroxidase genes in response to abscisic acid and ethephon', In: Phytochemistry, May 2000, Vol. 54(1), pp. 19-22. See the whole document	1-9

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

17 NOVEMBER 2004 (17.11.2004)

Date of mailing of the international search report

**18 NOVEMBER 2004 (18.11.2004)**

Name and mailing address of the ISA/KR

Korean Intellectual Property Office  
920 Dunsan-dong, Seo-gu, Daejeon 302-701,  
Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

CHO, YOUNG GYUN

Telephone No. 82-42-481-8132



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## Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of :

a. type of material

☒

a sequence listing

☐

table(s) related to the sequence listing

b. format of material

☒

in written format

☒

in computer readable form

c. time of filing/furnishing

☒

contained in the international application as filed

☒

filed together with the international application in computer readable form

☐

furnished subsequently to this Authority for the purposes of search

2. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

3. Additional comments:

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

PCT/KR2004/000381

Patent document  
cited in search reportPublication  
datePatent family  
member(s)Publication  
date

WO 2001/031018 A1

03.05.2001

EP 1224289 A1

24.07.2002

US 6649748 B1

18.11.2003

JP 2001/169790 A

26.06.2001

KR 2001/051095 A

25.06.2001